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COAL NONFATAL

UNITED STATES
DEPARTMENT OF LABOR
MINE SAFETY AND HEALTH ADMINISTRATION

District 9

REPORT OF INVESTIGATION
(Underground Coal Mine)

NONFATAL COAL MINE OUTBURST (BOUNCE) ACCIDENT

Dutch Creek No. 2 Mine (ID No. 05-00469)
Mid-Continent Resources, Inc.
Redstone, Pitkin County, Colorado

June 5, 1980

by

Harold Shaffer
Coal Mine Inspector

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Originating Office - Mine Safety and Health Administration
Drawer J, 575 East First South, Price, Utah 84501
Jensen L. Bishop, Subdistrict Manager

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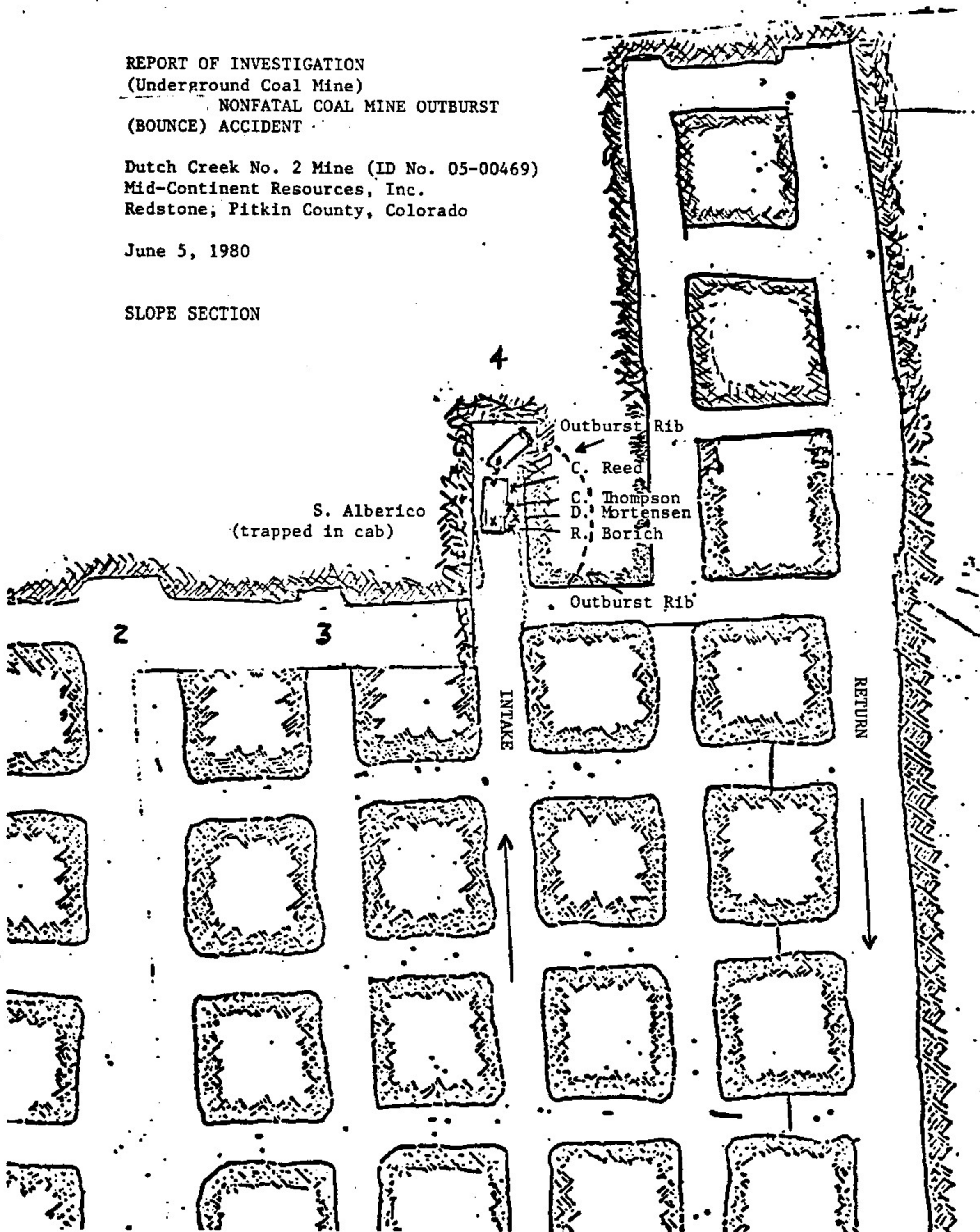
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SLOPE SECTION



Abstract of Investigation

U.S. Department of Labor
Mine Safety and Health Administration



Authority —

This report is based on an investigation made pursuant to the Federal Mine Safety and Health Act of 1977, Public Law 95-173, as amended by Public Law 95-164.

SECTION A — IDENTIFICATION DATA

Nonfatal Outburst
1. Title of investigation: (Bounce) Accident
2. Date MSHA investigation started: June 5, 1980
3. Report release date: July 7, 1980
4. Mine: Dutch Creek No. 2
5. Mine ID number: 05-00469
6. Company: Mid-Continent Resources, Inc.
7. Town, County, State: Redstone, Pitkin Co., CO
8. Author(s): Harold Shaffer

SECTION B — MINE INFORMATION

18 Mine Safety and Health Administration
Coal Mine Health and Safety District No.: 9
Address: Drawer J, Price, UT 84501

SECTION C — MINE INFORMATION

9. Daily production: 840 tons
10. Surface employment: 3
11. Underground employment: 64
12. Name of coalbed: Middle Bed
13. Thickness of coalbed: 76 inches

SECTION D — MINE INFORMATION

14. Industry: 11.50
15. This operation: 12.92
16. Training program approved: 05/09/79
17. Mine Profile Rating: 677

SECTION E — SUMMARY

On Thursday, June 5, 1980, about 1:30 p.m., an outburst of coal (bounce) occurred in the No. 4 slope right rib from a crosscut being driven to the last open crosscut outby. Four miners were injured. The accident occurred because of the pressure on the pillar from the mining method.

SECTION F — MINE ORGANIZATION

Company officials:	Name	Address
19. President:	John A. Reeves	P.O. Box 158, Carbondale, CO 81623
20. Superintendent:	Max Wareham	P.O. Box 158, Carbondale, CO 81623
21. Safety Director:	Ron Henderson	P.O. Box 158, Carbondale, CO 81623
22. Principle officer—H & S:	Max Wareham	P.O. Box 158, Carbondale, CO 81623
23. Labor Organization:	Redstone Workers Assn.,	0526 Hwy. 133, Carbondale, CO 81623
24. Chairman—H & S Committee:	Richard Lane	0526 Hwy. 133, Carbondale, CO 81623

Commentary

On Thursday, June 5, 1980, at 7:00 a.m. the 1st shift mining crew, under the supervision of Duane Mortensen, section foreman, entered the mine and traveled to the slopes section arriving about 7:30 a.m. Mortensen examined the working places and then assigned duties and work locations to the crew. Coal production began and continued without incident until the accident occurred. The face of No. 4 slope was advanced some 40 feet to the location of the pre-determined crosscut to No. 5 slope. About 12:30 p.m., the continuous miner was moved back and the crosscut was started on the right rib of the No. 4 slope. The mining of coal was advanced to about 15 feet into the rib at which time small bumps started to occur. Charles Reed, miner operator, deenergized the mining machine and proceeded to travel from the face area. While traveling between the right rib and the shuttle car, an outburst of coal occurred in this rib forcing coal outward, pinning Reed, Mortensen, Carl Thompson, miner helper, and Rick Borich, miner helper, against the shuttle car. Steve Alberico, shuttle car operator, was trapped in the cab of the car. This occurred sometime between 1:30 p.m. and 2:00 p.m. Approximately 30 minutes was required to free these persons from the loose coal and all were transported to the Valley View Hospital in Glenwood Springs, CO. The occurrence was reported to the MSHA office in Glenwood Springs about 2:25 p.m. and an inspector was immediately dispatched to the mine. Reports from the hospital indicated that Borich and Thompson each received a broken pelvis, and the other three received burns from the motor and pumps on the shuttle car and abrasions from the coal.

Discussion and Evaluation

The investigation revealed the following factors relevant to the occurrence of the outburst of coal bounce:

1. The length of the outburst was from the last open crosscut to the crosscut being mined.
2. The outburst of coal did affect ventilation.
3. The outburst of coal occurred in an area where No. 5 and No. 6 slopes were advanced 300 feet inby.
4. Four miners received personal injuries.
5. This seam of coal has considerable overburden in excess of 2,000 feet.
6. The coal being mined was not being relieved of stress by any means.

Findings of Fact

Evidence and findings of the investigation indicated there were no violations of Title 30 CFR which contributed to the occurrence of the accident.

Conclusion

Probable cause of the outburst of coal (bounce) was mining of No. 5 and No. 6 slopes 300 feet in advance of the other slopes allowing a buildup of pressure in the pillar of coal between No. 4 and No. 5 slopes.

Respectfully submitted,

Harold Shaffer
Harold Shaffer

Approved by:

Jensen L. Bishop
Jensen L. Bishop
Subdistrict Manager

APPENDIX

The investigation was conducted by the Mine Safety and Health Administration and those persons present during the investigation were:

Mid-Continent Resources, Inc. Officials

M. J. Turnipseed	Manager of Mines
Max Wareham	Mine Superintendent
Ron Henderson	Safety Director

Mine Safety and Health Administration

Harold Shaffer	Coal Mine Inspector
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